

WHAT IS CLAIMED IS:

1. A cationic liquid starchy composition, characterized in that it exhibits:
 - 5 - a dry matter at least equal to 10%, preferably of between 10 and 50%,
 - a viscosity, determined according to a T test, of greater than 200 mPa·s and at most equal to 1000 mPa·s,
 - 10 - a total nitrogen level at least equal to 0.6% and at most equal to 1.4%, these percentages being expressed by dry weight with respect to the dry weight of the composition,
 - a pH of less than 9, preferably of between 3.5 and 15 8.5.
2. The cationic liquid starchy composition as claimed in claim 1, characterized in that it exhibits a viscosity, determined according to the T test, at least 20 equal to 250 mPa·s and at most equal to 950 mPa·s
3. The cationic liquid starchy composition as claimed in claim 2, characterized in that it exhibits a viscosity, determined according to the T test, at least 25 equal to 275 mPa·s and at most equal to 930 mPa·s.
4. The cationic liquid starchy composition as claimed in any one of claims 1 to 3, characterized in that it exhibits a total nitrogen level at least equal to 0.7% 30 and at most equal to 1.3%.
5. The cationic liquid starchy composition as claimed in any one of claims 1 to 4, characterized in that it exhibits a pH of between 3.5 and 7.5, in particular of 35 between 4 and 7.
6. The cationic liquid starchy composition as claimed in any one of claims 1 to 5, characterized in that it

comprises at least one polyol, preferably at least one polyol, of saccharide nature.

7. The cationic liquid starchy composition as claimed
5 in any one of claims 1 to 6, characterized in that it exhibits a temperature of less than 60°C, preferably at most equal to 50°C and in particular of between 10 and 40°C.

10 8. The use of a cationic starchy composition as claimed in any one of claims 1 to 7 as additive chosen from the group consisting of additives for paper manufacture or board manufacture and additives for the treatment of process water, which may or may not result
15 from paper manufacture or board manufacture, or for the preparation of such an additive.

9. The use as claimed in claim 8, characterized in that the additive is chosen from the group consisting of wet-end additives, additives intended to reduce troublesome substances present in water circuits and/or retained on equipment for processes related or not related to paper manufacture, additives intended for the preparation of sizing agent compositions used for
25 the internal or external treatment of paper or board, additives intended for the preparation of compositions for the creping, surface treatment or coating of paper or board, or additives intended for the preparation of compositions comprising optical brightening agents,
30 fillers, pigments, aluminum salts, colloidal silica, dyes and/or synthetic polymers.

10. The use according to claim 9, characterized in that the additive is intended for the preparation of a sizing agent composition comprising a product chosen from the group consisting of alkenylsuccinic acids and derivatives, in particular their salts and anhydrides, alkylketene dimers and derivatives, rosin and
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derivatives, aldehyde alkyl acetals, alkyl isocyanates, synthetic (co)polymers and any mixture of at least any two of said products.

5 11. The use as claimed in claim 10, characterized in that the additive is intended for the preparation of a sizing agent composition comprising an alkenylsuccinic anhydride (ASA).

10 12. The use as claimed in any one of claims 8 to 11, characterized in that the cationic liquid starchy composition is diluted beforehand so that its dry matter is lowered to a value of between 0.5 and 9%, preferably of between 1 and 7%.

15 13. The use as claimed in any one of claims 8 to 12, characterized in that the cationic starchy composition, optionally diluted, is brought into contact or is intended to be brought into contact with a fibrous 20 composition exhibiting a content of calcium ions at least equal to 200 mg/l, in particular of between 250 and 1000 mg/l.

25 14. The use as claimed in claim 9, characterized in that the additive is intended for the manufacture of tissue paper.

30 15. The use as claimed in claim 9, characterized in that the additive is intended for the manufacture of surface-treated or coated paper.

16. The use as claimed in claim 9, characterized in that the additive is intended for the manufacture of corrugating paper.

35 17. The use as claimed in claim 9, characterized in that the additive is an additive intended to reduce troublesome substances present in paper manufacturing

water circuits.